

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. RSW920030145US1

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

36736

PATENT TRADEMARK OFFICE  
CUSTOMER NUMBER

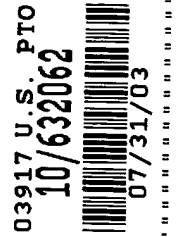
Sir:

Transmitted herewith for filing is the patent application of Inventor(s):

**MICHEL BETANCOURT**  
**DIPAK M. PATEL**  
**CHINTAMANI SAHOO**

For: **AUTOMATED HANG DETECTION IN JAVA THREAD DUMPS**

Assignee Name: International Business Machines Corporation  
Assignee Residence: Armonk, New York



Enclosed are also:

☒ 23 Pages of Specification including an Abstract  
☒ 4 Pages of Claims ( Claims 1 - 22 )  
☒ 4 Sheet(s) of formal drawings  
☒ A Declaration and Power of Attorney  
☒ Form PTO 1595 and assignment of the invention to IBM Corporation  
☒ Information Disclosure Statement  
☒ Form PTO 1449 and Reference AM

## CLAIMS AS FILED

FOR	Number Filed		Number Extra		Rate		Basic Fee (\$750)
Total Claims	22	-20 =	2	X	\$ 18	=	\$ 36.00
Independent Claims	5	-3 =	2	X	\$ 84	=	\$168.00
Multiple Dependent Claims	0			X	\$280	=	\$ 0.00
<b>Total Filing Fee</b>							<b>= \$954.00</b>

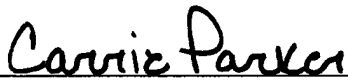
☒ Please charge \$954.00 to IBM Corporation, Deposit Account No. 09-0461.  
☒ The Commissioner is hereby authorized to charge payment of the following fees associated with the communication or credit any over payment to IBM Corporation, Deposit Account No. 09-0461. A duplicate copy of this sheet is enclosed.  
☒ Any additional filing fees required under 37 CFR § 1.16.  
☒ Any patent application processing fees under 37 CFR § 1.17.

Respectfully,

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**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

"Express Mail" mailing label number EV322434571US. Date of deposit July 31, 2003. I hereby certify that the papers or fees listed below are being deposited with the United States Postal Service by "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.



Carrie Parker

ENCLOSED are the following documents, being sent by "Express Mail":

1. Transmittal Letter in duplicate;
2. Recordation;
3. Assignment (1);
4. Declaration and Power of Attorney (1);
5. Patent Application ( 23 pgs. spec. & abstract, 4 pgs. Claims 1 - 22 );
6. 4 pages of formal drawings;
7. Information Disclosure Statement;
8. Form PTO 1449;
9. Reference AM; and
10. Two return postcards.